

8031-M-48

SIZE E

REF NO	REFERENCE DRAWING	BECHTEL	S.S.
1	NUCLEAR BOILER VESSEL INST	M-41	
2	STANDBY LIQUID CONTROL FCD	241007	11004140
3	COMPRESSED AIR P&ID	M-15	
4	MAKE-UP DEMINERALIZER P&ID	M-18	
5	P&ID LEGEND	M-00	
6	STANDBY LIQUID CONTROL P&ID	241008	11012100
7	PROCESSING PRINCIPLES DESIGN SPEC.	AM-4302	2213732

REVISION 7 OF THIS P&ID REQUIRES REVISION OF THE FOLLOWING RELATED DOCUMENTS

QAD	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	NA <input type="checkbox"/>
FD TEXT	YES <input type="checkbox"/>	NO <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
LOGIC DIAGRAM	YES <input type="checkbox"/>	NO <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

- NOTES:
- THIS IS A CLASS 1 SEISMIC SYSTEM EXCEPT AS NOTED.
 - STANDBY LIQUID CONTROL SYSTEM SHALL BE TESTED USING DEMINERALIZED WATER FROM THE SYSTEM TEST TANK ONLY.
 - THE ELEVATION OF THE DEMINERALIZED WATER AND INSTANT SUPPLY LINES SHALL BE ABOVE THE TOP OF THE STORAGE TANK.
 - ORIENT PRESSURE INDICATOR 1R003 SO THAT IT CAN BE READ FROM VALVE 1F016 LOCATION (ZONE E-7).
 - IN ORDER TO SERVICE THESE VALVES AFTER FLUING, IT IS NECESSARY TO REMOVE A 2" SPOOL PIECE IMMEDIATELY UPSTREAM OF THE RESPECTIVE VALVE. EACH EXPLOSIVE VALVE IS FURNISHED WITH A MATING SOCKET WELDING TYPE FLANGE FOR SOCKET WELDING TO A 2" SPOOL PIECE.
 - THE GE MPL NUMBER FOR THIS SYSTEM IS C-11.
 - STANDBY LIQUID CONTROL SYSTEM SHALL HAVE THERMALLY CONTROLLED HEAT TRACING FROM TANK 10T204 UP TO AND INCLUDING INJECTION PUMPS.
 - WHERE PRACTICAL ALL LIQUID LINES INSIDE THE PRIMARY CONTAINMENT SHALL BE SLOPED IN THE DIRECTION OF FLOW.
 - ALL INSTRUMENT PIPING AND TUBING SHALL BE INSTALLED IN ACCORDANCE WITH REF. 7.
 - DEMINERALIZED WATER INSTRUMENT AIR LINES ARE SEISMIC CLASS II-A.
 - FLUSHING CONNECTIONS (SUPPLY AND DRAIN) SHALL BE LOCATED TO ALLOW FOR MAXIMUM SYSTEM FLUSH DRAIN.
 - PROVIDE CURBS AROUND EQUIPMENT TO GATHER POSSIBLE SPILLAGE OR LEAKAGE OF SODIUM PENTATE SOLUTION.

POOR ORIGINAL

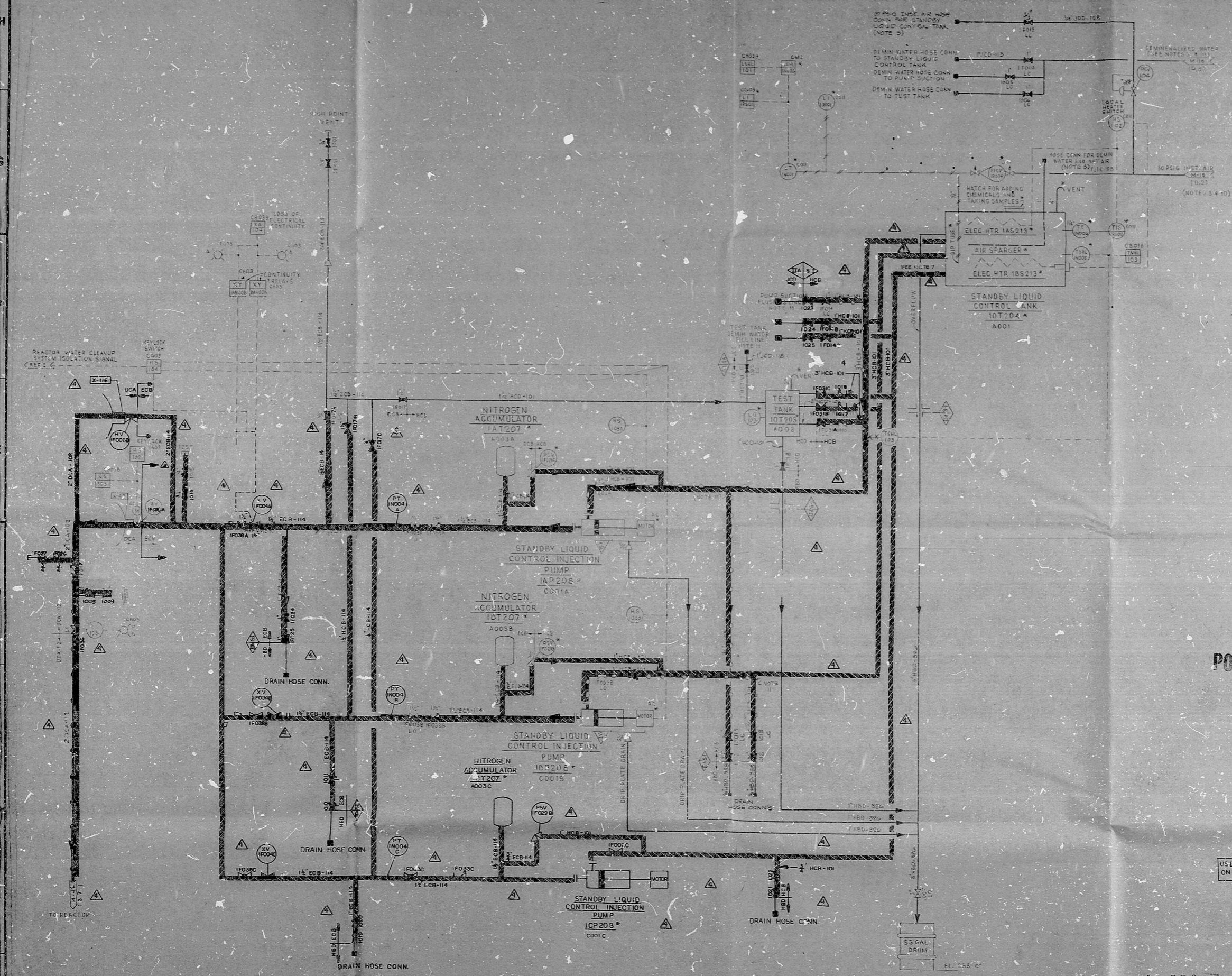
NUCLEAR ENERGY SERVICES
 DRN BY: *[Signature]*
 CKD BY: *[Signature]*
 GROUP A
 GROUP B
 GROUP C

ALL PIPING EXECUTED BY IS ASME CODE SECT. II
 THIS IS BASED ON PH&ID M-48 REV 10
 USE THIS DOCUMENT FOR INSERVICE INSPECTION ONLY. BACKGROUND MAY NOT BE CORRECT.

3	CORRECTED EXEMPTION	<i>[Signature]</i>
2	CLARIFY EXEMPTION NOTATION	
1	INCORPORATED BECHTEL COMMENTS	
<p>BECHTEL SAN FRANCISCO</p> <p>LIMERICK GENERATING STATION UNITS 1 & 2 PHILADELPHIA ELECTRIC COMPANY</p> <p>ISI STANDBY LIQUID CONTROL</p>		
JOB NO.	DRAWING NO.	REV.
8031	ISI-M-48	4
8210040243		

4 5/8 UPDATE AS NOTED PER M-48 REV 10

PRC
 APERTURE
 CARD



36"
22"
17"
11"
5.8"
8.5"
11"
17"
22"

36"
22"
17"
11"
5.8"
8.5"
11"
17"
22"

RIDS

8210040283

